

2.0基站产品化测试 - 错误 #2315

2.1.15p_pre1_T4版本，两个基站来回反复切换场景，一段时间后，CRNTI分配失败，导致切换失败

2024-10-31 09:43 - 王 旭初

状态:	已解决	开始日期:	2024-10-31
优先级:	普通	计划完成日期:	
指派给:		% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
问题归属:	DU	FPGA板卡类型:	
发现问题版本:	Rel_2.1.15P	CPU类型:	
目标解决问题版本:	Rel_2.1.15P		
描述			
信令来看，卡在了：handover_require后，对端基站侧du一直不给cu回复UEContextSetupRequest_response，切换走不下去，所以就发起了释放			
2024-10-28 20:24:54.573456192.168.62.40192.168.62.403847238473F1AP/NR_RRC0x3adc(15068)83057 DLRRCTransfer, RRC Release MAC=0x5db25c23104 2024-10-28 20:24:54.573480192.168.62.40192.168.62.403847238473F1AP0x3add(15069)83058 UEContextReleaseCommand92 2024-10-28 20:24:54.573634192.168.62.40192.168.62.403847238472F1AP0x746e(29806)83060 UEContextReleaseComplete88 2024-10-28 20:24:54.579356192.168.62.40192.168.62.103841238412NGAP0x1d46(7494)83061 SACK (Ack=3809, Arwnd=104857600), UEContextReleaseComplete120 2024-10-28 20:24:59.881341192.168.62.10192.168.62.403841238412NGAP0xc2c5(49861)83082 HandoverRequest688 2024-10-28 20:24:59.888218192.168.62.40192.168.62.403847238473F1AP0x3ae4(15076)83083 UEContextSetupRequest, RRC Reconfiguration640 2024-10-28 20:25:01.883045192.168.62.40192.168.62.103841238412NGAP0x1d4a(7498)83094 UEContextReleaseRequest92 2024-10-28 20:25:01.885058192.168.62.40192.168.62.403841238412NGAP0xc2c7(49863)83095 SACK (Ack=5254, Arwnd=106496), UEContextReleaseCommand100 2024-10-28 20:25:02.383159192.168.62.40192.168.62.403847238473F1AP0x3ae7(15079)83099 UEContextReleaseCommand92 2024-10-28 20:25:46.091732192.168.62.10192.168.62.403841238412NGAP0xc2d0(49872)83279 HandoverRequest688 2024-10-28 20:25:46.098414192.168.62.40192.168.62.403847238473F1AP0x3b1c(15132)83280 UEContextSetupRequest, RRC Reconfiguration640 2024-10-28 20:25:48.093226192.168.62.40192.168.62.103841238412NGAP0x1d55(7509)83291 UEContextReleaseRequest92 2024-10-28 20:25:48.094831192.168.62.10192.168.62.403841238412NGAP0xc2d1(49873)83292 SACK (Ack=5255, Arwnd=106496), UEContextReleaseCommand100 2024-10-28 20:25:48.593361192.168.62.40192.168.62.403847238473F1AP0x3b20(15136)83294 UEContextReleaseCommand92 2024-10-28 20:26:32.303582192.168.62.10192.168.62.403841238412NGAP0xc2da(49882)83468 HandoverRequest688 2024-10-28 20:26:32.311531192.168.62.40192.168.62.403847238473F1AP0x3b53(15187)83469 UEContextSetupRequest, RRC Reconfiguration640 2024-10-28 20:26:34.305395192.168.62.40192.168.62.103841238412NGAP0x1d60(7520)83478 UEContextReleaseRequest92 2024-10-28 20:26:34.307267192.168.62.10192.168.62.403841238412NGAP0xc2db(49883)83479 SACK (Ack=5256, Arwnd=106496), UEContextReleaseCommand100 2024-10-28 20:26:34.805428192.168.62.40192.168.62.403847238473F1AP0x3b56(15190)83481 UEContextReleaseCommand92 2024-10-28 20:27:18.495428192.168.62.10192.168.62.403841238412NGAP0xc2e4(49892)83653 HandoverRequest688 2024-10-28 20:27:18.502044192.168.62.40192.168.62.403847238473F1AP0x3b88(15240)83654 UEContextSetupRequest, RRC Reconfiguration640 2024-10-28 20:27:20.496878192.168.62.40192.168.62.103841238412NGAP0x1d6b(7531)83667 UEContextReleaseRequest92 2024-10-28 20:27:20.498504192.168.62.403841238412NGAP0xc2e5(49893)83668 SACK (Ack=5257, Arwnd=106496), UEContextReleaseCommand100 2024-10-28 20:27:20.997005192.168.62.40192.168.62.403847238473F1AP0x3b8c(15244)83672 UEContextReleaseCommand92 2024-10-28 20:28:05.240244192.168.62.10192.168.62.403841238412NGAP0xc2ee(49902)83842 HandoverRequest688 2024-10-28 20:28:05.247593192.168.62.40192.168.62.403847238473F1AP0x3bdd(15293)83843 UEContextSetupRequest, RRC Reconfiguration640 2024-10-28 20:28:07.241918192.168.62.40192.168.62.103841238412NGAP0x1d76(7542)83852 UEContextReleaseRequest92			
du初步定位：40的crnti分配不出来导致，提单跟踪			

历史记录

#1 - 2024-11-05 17:15 - 匿名用户

观察日志发现切换目标站crnti分配失败导致切换失败；待减少rnti个数复现；

#2 - 2024-11-11 17:33 - 匿名用户

- 主题 从 2.1.15p_pre1_T4版本，两个基站来回反复切换场景，约2h后，发现从基站70往基站40做切换，始终切换不成功 变更为 2.1.15p_pre1_T4版本，两个基站来回反复切换场景，一段时间后，CRNTI分配失败，导致切换失败

#3 - 2024-11-12 16:35 - 匿名用户

当切换失败时，通过重建接入失败，触发RRC reject，但是CU为给DU发送释放UE信令，导致ue未删除，rnti未释放，存在rnti泄露问题；CU侧已修改

#4 - 2024-11-15 10:33 - 席振斌

CU给DU下发UE Context Release Command通知du去释放此ue_id对应的相关资源

#5 - 2024-11-19 09:43 - 匿名用户

DU处理RaCbList的时候(判断t300定时器超时)，存在只取首节点的问题，导致链表中非首节点UE定时器超时未被处理，占用crnti未释放，导致后续crnti分不出来，切换失败。
已修改优化遍历RaCbList处理，待验证。

#6 - 2024-11-19 09:46 - 匿名用户

- 状态 从 新建 变更为 转测试
- 指派给 从 匿名用户 变更为 王旭初

#7 - 2025-01-21 10:20 - 王旭初

- 状态 从 转测试 变更为 已解决

- 指派给 已删除 (王旭初)

乒乓切换场景，一晚上切换ok，问题解决

文件

不回ue_contextsetupresponse.jpg	679 KB	2024-10-31	王旭初
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